







Both Medium 2 and 3 are
$$\frac{1}{2}$$
 long

$$kl = \frac{2\pi}{1} \cdot \frac{1}{2} = \frac{1}{2} \pi \quad (in \text{ both media})$$
So: $T_2[0, l_1] = T_2[0, \frac{1}{4}] = (\frac{1}{2}, \frac{1}{2}) = (\frac{1}{2}, \frac{1}{2})$

$$T_3[l_1, l_2] \cdot T_3[l_1, l_1 + \frac{1}{4}] = (\frac{1}{2}, \frac{1}{2}) = (\frac{1}{2}, \frac{1}{2})$$

$$T_2T_3 = (\frac{1}{2}, \frac{1}{2}, \frac{1}{4}) = (\frac{1}{2}, \frac{1}{2}) = (\frac{1}{2}, \frac{1}{2}) = (\frac{1}{2}, \frac{1}{2})$$
Now we look if we can replace this with a single medium 5 if we can replace this with a single medium 5 if $\frac{1}{2} = \frac{1}{2} = \frac{1$

